

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (Cancelled).

11. (Currently Amended) A method of producing a chewable mass for remineralization of tooth enamel, comprising:
preparing an aqueous solution of at least one acidifying agent that is suitable as a foodstuff;
adding a reactive calcium source to said aqueous solution;
adding the solution to a thickener, wherein said thickener is gelatin,
wherein phosphoric acid is added during at least one of said preparing and adding;
thoroughly mixing all components to form a mass;
shaping said mass; and
drying the mass,
~~wherein the mass comprises a calcium content of between 50 and 150 mMol/kg and a phosphoric acid content of between 15 and 500 mMol/kg, wherein the mass comprises a calcium content of~~

between 50 and 150 mMol/kg and a phosphoric acid content of
between 15 and 500 mMol/kg.

Claim 12 (Cancelled).

13. (Previously Presented) A method according to
claim 11, which includes mixing various acidifying agents as a
reactant for said preparing step.

14. (Previously Presented) A method according to
claim 11, wherein said at least one acidifying agent comprises
at least one of the group consisting of carboxylic acids and
fruit acids.

15. (Previously Presented) A method according to
claim 14, wherein said carboxylic acids include lactic acid.

16. (Previously Presented) A method according to
claim 14, wherein said fruit acids include pyruvic acid, citric
acid and malic acid.

17. (Previously Presented) A method according to
claim 11, wherein said aqueous solution of said preparing step
contains a first calcium-complexing acid, and wherein a further

calcium-complexing acid is added to such aqueous solution that is more powerful than is said first calcium-complexing acid.

18. (Previously Presented) A method according to claim 17, wherein said further calcium-complexing acid is at least one of malic acid and citric acid, and wherein said first calcium-complexing acid is pyruvic acid.

19. (Previously Presented) A method according to claim 11, wherein said calcium source is at least one of the group consisting of calcium oxide, calcium hydroxide and calcium carbonate.

20. (Previously Presented) A chewable mass produced by the method of claim 11.

Claims 21-23 (Cancelled).

24. (Previously Presented) A method according to claim 11, wherein the chewable mass is transparent and homogeneous.

25. (Previously Presented) A method according to claim 11, wherein the chewable mass is fruit gum.

26. (Previously Presented) A method of producing a chewable mass for remineralization of tooth enamel, comprising:

preparing an aqueous solution of at least one acidifying agent that is suitable as a foodstuff,

wherein said aqueous solution of said preparing step contains a first calcium-complexing acid, and

wherein a further calcium-complexing acid is added to such aqueous solution that is more powerful than is said first calcium-complexing acid;

adding a reactive calcium source to said aqueous solution;

adding the solution to a thickener, wherein said thickener is gelatin,

wherein phosphoric acid is added during at least one of said preparing and adding steps;

thoroughly mixing all components to form a mass;

shaping said mass; and

drying the mass,

wherein the mass comprises a calcium content of between 50 and 150 mMol/kg and a phosphoric acid content of between 15 and 500 mMol/kg.

27. **(Previously Presented)** A method according to claim 26, which includes mixing various acidifying agents as a reactant for said preparing step.

28. **(Previously Presented)** A method according to claim 26, wherein said at least one acidifying agent comprises at least one of the group consisting of carboxylic acids and fruit acids.

29. **(Previously Presented)** A method according to claim 28, wherein said carboxylic acids include lactic acid.

30. **(Previously Presented)** A method according to claim 28, wherein said fruit acids include pyruvic acid, citric acid and malic acid.

31. **(Previously Presented)** A method according to claim 26, wherein said further calcium-complexing acid is at least one of malic acid and citric acid, and wherein said first calcium-complexing acid is pyruvic acid.

32. **(Previously Presented)** A method according to claim 26, wherein said calcium source is at least one of the

group consisting of calcium oxide, calcium hydroxide and calcium carbonate.

33. (Previously Presented) A chewable mass produced by the method of claim 26.

34. (Previously Presented) A method according to claim 26, wherein the chewable mass is transparent and homogeneous.

35. (Previously Presented) A method according to claim 26, wherein the chewable mass is fruit gum.